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FACSIMILE TRANSMISSION COVER PAGE

DATE: March 30, 2005
RECIPIENT: USPTO - Office of Initial Patent Examination-Filing Receipt Corrections
RECIPIENT'S FAX NO.: 1-703-746-9195
FROM: Christine J. Graff
FILE NUMBER: U.S. Serial No. 10/509,974, Filed February 10/01/2004
Attorney Docket SERJ-66989

PAGES (including cover page): **§ 1****MESSAGE:**

Please make the noted correction to the Filing Receipt as follows:

Please correct as follows:

The Total No. of Claims should read "20". The Total No. of Independent Claims should read "3". The Power of Attorney should read "Alan G. Towner". These corrections are stated on both the "Transmittal Letter (Form PTO 1390)" and "Initial Application Data Sheet" that were submitted to the USPTO on October 1, 2004. I understand a corrected "Filing Receipt" will be sent to Alan G. Towner, Esq. of this office.

Enclosures: 1 copy of the Filing Receipt
1 copy of the Transmittal Letter
1 copy of the Initial Application Data Sheet

SENT BY: Christine J. Graff TELEPHONE NUMBER: (412) 263-4371

CONFIRMATION COPY:

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SERT-1
SERJ 66989

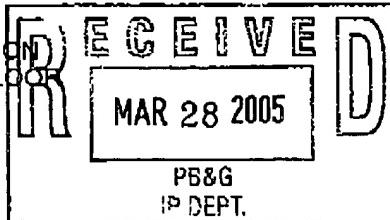


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| APPL NO. | FILING OR 371 (c) DATE | ART UNIT | FIL FEE RECD | ATTY.DOCKET NO | DRAWINGS | TOT CLMS | IND CLMS |
|--------------|---------------------------|----------|--------------|----------------|----------|----------|----------|
| 10/509,974 ✓ | 10/01/2004 ✓ | 3721 | 475 ✓ | SERJ 66989 ✓ | 4 ✓ | 10 | 2 |

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301 GRANT STREET
PITTSBURGH, PA 15219-6404



CONFIRMATION NO. 4248 ✓

FILING RECEIPT



OC000000015514331

Date Mailed: 03/22/2005

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Filing Receipt Corrections, facsimile number 703-746-9195. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

David Ogilvie Crane, Lutterworth, UNITED KINGDOM; ✓

Assignment For Published Patent Application

CRANE ELECTRONICS LTD., Hinckley, Leicestershire, UNITED KINGDOM ✓

Power of Attorney:

Alan Towner~32949 ✓

Domestic Priority data as claimed by applicant

This application is a 371 of PCT/GB03/01330 03/27/2003 ✓

Foreign Applications

UNITED KINGDOM 0207514.1 04/02/2002 ✓

Projected Publication Date: 06/30/2005 ✓

Non-Publication Request: No

Early Publication Request: No

** SMALL ENTITY ** ✓

Title

Torque sensing tool ✓

Preliminary Class

173

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Title 35, United States Code, Section 184
Title 37, Code of Federal Regulations, 5.11 & 5.15**

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Express Mail # EV 3865^a1331 US
 Date of Deposit: Oct 1, 2004

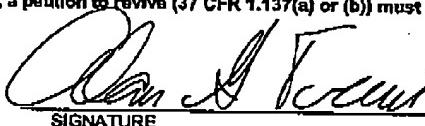
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| | | |
|---|--|---|
| TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371 | | ATTORNEY'S DOCKET NUMBER SERJ 66989 |
| INTERNATIONAL APPLICATION NO. PCT/GB03/01330 | INTERNATIONAL FILING DATE 27 March 2003 | U.S. APPLICATION NO. (If known, see 37 CFR 1.6) |
| PRIORITY DATE CLAIMED 02 April 2002 | | |
| TITLE OF INVENTION TORQUE SENSING TOOL | | |
| APPLICANT(S) FOR DO/EO/US David Ogilvie CRANE | | |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: | | |
| <p>1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a submission under 35 U.S.C. 371.</p> <p>2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371.</p> <p>3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</p> <p>4. <input type="checkbox"/> The US has been elected (Article 31).</p> <p>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))</p> <ul style="list-style-type: none"> a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input checked="" type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). <p>6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2))</p> <ul style="list-style-type: none"> a. <input type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). <p>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(9))</p> <ul style="list-style-type: none"> a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input checked="" type="checkbox"/> have not been made and will not be made. <p>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</p> <p>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</p> <p>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</p> <p>Items 11 to 20 below concern document(s) or information included:</p> <p>11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</p> <p>12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</p> <p>13. <input type="checkbox"/> A preliminary amendment.</p> <p>14. <input checked="" type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</p> <p>15. <input type="checkbox"/> A substitute specification.</p> <p>16. <input checked="" type="checkbox"/> A power of attorney and/or change of address letter.</p> <p>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825.</p> <p>18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).</p> <p>19. <input type="checkbox"/> A second copy of the English language translation of the International Application under 35 U.S.C. 154(d)(4).</p> <p>20. <input checked="" type="checkbox"/> Other items or information: Statement Under 37 CFR 3.73(b)</p> | | |

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, U.S. Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO-1390 (Rev. 07-2004)

Approved for use through 3/31/2007, OMB 0651-0021
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| | | | | |
|--|----|---|--|-----------------|
| U.S. APPLICATION NO. (If known, see 37 CFR 1.5) | | INTERNATIONAL APPLICATION NO. PCT/GB03/01330 | ATTORNEY'S DOCKET NUMBER SBRJ 66989 | |
| 21. <input checked="" type="checkbox"/> The following fees are submitted: | | CALCULATIONS | | PTO USE ONLY |
| BASIC NATIONAL FEE (37 CFR 1.492(a)(1)-(5)): | | | | |
| Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO..... | | \$1080.00 | | |
| International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO | | \$950.00 | | |
| International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International search fee (37 CFR 1.445(a)(2)) paid to USPTO | | \$770.00 | | |
| International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4) | | \$730.00 | | |
| International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4) | | \$100.00 | | |
| ENTER APPROPRIATE BASIC FEE AMOUNT = | | \$ 950.00 | | |
| Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)). | | \$ | | |
| CLAIMS | | NUMBER FILED | NUMBER EXTRA | RATE |
| Total claims | 20 | -20 = | 0 | X \$18.00 \$ 0 |
| Independent claims | 3 | -3 = | 0 | X \$86.00 \$ 0 |
| MULTIPLE DEPENDENT CLAIM(S) (if applicable) | | 0 | | + \$290.00 \$ 0 |
| TOTAL OF ABOVE CALCULATIONS = | | \$ 950.00 | | |
| <input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by ½. | | \$ 475.00 | | |
| SUBTOTAL = | | \$ 475.00 | | |
| Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)). | | + \$ 0 | | |
| TOTAL NATIONAL FEE = | | \$ 475.00 | | |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.26, 3.31). \$40.00 per property | | + \$ 40.00 | | |
| TOTAL FEES ENCLOSED = | | \$ 515.00 | | |
| | | Amount to be refunded: | | \$ |
| | | Amount to be charged: | | \$ |
| <p>a. <input type="checkbox"/> A check in the amount of \$ _____ to cover the above fees is enclosed.</p> <p>b. <input checked="" type="checkbox"/> Please charge my Deposit Account No. <u>500859</u> in the amount of \$ <u>515.00</u> to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>500859</u>. A duplicate copy of this sheet is enclosed.</p> <p>d. <input type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.</p> | | | | |
| NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status. | | | | |
| SEND ALL CORRESPONDENCE TO: Alan G. Towner, Esq. Pietragallo, Bosick & Gordon One Oxford Centre, 38th Floor 301 Grant Street Pittsburgh, PA 15219 | | | | |
|  SIGNATURE Alan G. Towner NAME 32,949 REGISTRATION NUMBER | | | | |

Initial Application Data Sheet**Inventor Information**

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Application Information

Title Line One:: Torque Sensing Tool
Application Type:: Utility
Total Drawings Sheets:: 4

Assignee Information

Assignee Name:: Crane Electronics Ltd.
Postal Address Line One:: Watling Drive
Postal Address Line One:: Sketchley Meadows
City:: Hinckley
State or Province:: Leicestershire
Country:: Great Britain
Postal or Zip Code:: LE10 3EY
Countries of Organization:: England and Wales

Representative Information

Representative Customer Number:: 29694

Domestic Priority Information

| Application:: | Continuity Type:: | Parent Application:: | Parent Filing Date:: |
|----------------------|--------------------------|-----------------------------|-----------------------------|
| This Application | National Stage of | PCT/GB03/01330 | 03/27/03 |

Foreign Priority Information

| Country:: | Application Number:: | Filing Date:: | Priority Claimed:: |
|------------------|-----------------------------|----------------------|---------------------------|
| GB | 0207514.1 | 04/02/02 | Yes |

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